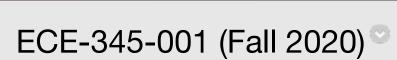
David Kirby



Course Home > Module 2 >

Review Test Submission: Quiz 2.5

User	David Kirby
Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 2.5
Started	8/24/20 8:27 PM
Submitted	8/24/20 8:28 PM
Status	Completed
	4 out of 4 points
Time Elapsed	1 minute
Results Displaye	d Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points



Which of the following describes the force induced by a spring with spring constant k and displacement X?

Selected Answer:

-kx

Question 2

1 out of 1 points



Which of the following describes the force induced by a damper with damping constant b and speed \dot{x} ?

Selected Answer:

−bẋ

Question 3

1 out of 1 points



Which one of these statements is NOT correct?

Selected

Answer:

A spring-mass-damper system conserves energy, meaning that no energy is lost over time.

Question 4

1 out of 1 points



Which of these equations describes Newton's law?

Selected Answer:

$$\sum F = m\ddot{x}(t)$$

Wednesday, September 30, 2020 11:17:59 AM MDT